



Flour Milling Products

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Highlights

Third Quarter 2020, July through September, contained 92 days.

Second Quarter 2021, April through June, contained 91 days.

Third Quarter 2021, July through September, contained 92 days.

All wheat ground for flour during the third quarter 2021 was 231 million bushels, up 3 percent from the second quarter 2021 grind of 223 million bushels but down 1 percent from the third quarter 2020 grind of 234 million bushels. Third quarter 2021 total flour production was 106 million hundredweight, up 3 percent from the second quarter 2021 but down 2 percent from the third quarter 2020. Whole wheat flour production at 4.97 million hundredweight during the third quarter 2021 accounted for 5 percent of the total flour production. Millfeed production from wheat in the third quarter 2021 was 1.68 million tons. The daily 24-hour milling capacity of wheat flour during the third quarter 2021 was 1.59 million hundredweight.

Durum wheat ground for flour and semolina production during the third quarter of 2021 totaled 15.7 million bushels, up 2 percent from the second quarter 2021 but down 11 percent from the third quarter 2020. Third quarter 2021 durum flour and semolina production was 7.31 million hundredweight, up 1 percent from the second quarter 2021 but down 12 percent from the third quarter 2020. Whole wheat durum flour and semolina production was 238,000 hundredweight, up 62 percent from 147,000 hundredweight in the second quarter 2021 and up 78 percent from 134,000 hundredweight in the third quarter 2020. Third quarter durum wheat millfeed production was 103,672 tons and the daily 24-hour milling capacity for durum and semolina production was 131,730 hundredweight.

Rye ground for flour during the third quarter of 2021 was 431,000 bushels, down 3 percent from the second quarter 2021 and down 5 percent from the third quarter 2020. Rye flour production during the third quarter of 2021 was 193,000 hundredweight, compared to 201,000 hundredweight in the previous quarter and 210,000 hundredweight in the same quarter for the previous year. The daily 24-hour milling capacity for rye milling was 9,655 hundredweight for the third quarter 2021.

**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2021 - September 2021 with Comparisons**

| Region | Wheat ground for flour | Wheat flour production | Daily (24-hour) capacity |
|--|---------------------------|---------------------------|-----------------------------|
| | (1,000 bushels) | (1,000 cwt) | (cwt) |
| California | | | |
| July 2020 - September 2020..... | 16,640 | 7,699 | 120,400 |
| April 2021 - June 2021 | 16,083 | 7,483 | 108,600 |
| July 2021 - September 2021..... | 16,444 | 7,608 | 108,600 |
| Colorado and Oklahoma | | | |
| July 2020 - September 2020..... | 7,731 | 3,743 | 58,280 |
| April 2021 - June 2021 | 7,194 | 3,431 | 58,280 |
| July 2021 - September 2021..... | 8,047 | 3,812 | 58,280 |
| Florida, Georgia, and South Carolina | | | |
| July 2020 - September 2020..... | 8,908 | 4,085 | 59,000 |
| April 2021 - June 2021 | 8,595 | 3,899 | 59,000 |
| July 2021 - September 2021..... | 9,387 | 4,207 | 59,000 |
| Idaho, Montana, Oregon, Utah, and Washington | | | |
| July 2020 - September 2020..... | 16,244 | 7,686 | 127,187 |
| April 2021 - June 2021 | 16,499 | 7,716 | 125,387 |
| July 2021 - September 2021..... | 16,114 | 7,579 | 125,387 |
| Illinois, Indiana, and Wisconsin | | | |
| July 2020 - September 2020..... | 25,615 | 12,106 | 163,252 |
| April 2021 - June 2021 | 23,934 | 11,253 | 163,252 |
| July 2021 - September 2021..... | 25,083 | 11,663 | 163,252 |
| Iowa and Nebraska | | | |
| July 2020 - September 2020..... | 8,419 | 3,866 | 55,894 |
| April 2021 - June 2021 | 7,834 | 3,550 | 55,894 |
| July 2021 - September 2021..... | 8,220 | 3,721 | 55,894 |
| Kansas | | | |
| July 2020 - September 2020..... | 16,240 | 7,623 | 111,132 |
| April 2021 - June 2021 | 14,698 | 6,954 | 111,132 |
| July 2021 - September 2021..... | 16,029 | 7,445 | 111,132 |
| Kentucky and Tennessee | | | |
| July 2020 - September 2020..... | 8,887 | 4,148 | 57,000 |
| April 2021 - June 2021 | 8,365 | 3,908 | 57,000 |
| July 2021 - September 2021..... | 8,803 | 4,075 | 57,000 |
| Maryland and Virginia | | | |
| July 2020 - September 2020..... | 6,373 | 2,905 | 48,692 |
| April 2021 - June 2021 | 6,149 | 2,797 | 48,644 |
| July 2021 - September 2021..... | 6,742 | 3,041 | 48,644 |
| Michigan | | | |
| July 2020 - September 2020..... | 5,557 | 2,486 | 39,700 |
| April 2021 - June 2021 | 5,571 | 2,499 | 39,700 |
| July 2021 - September 2021..... | 5,722 | 2,556 | 39,700 |
| Minnesota | | | |
| July 2020 - September 2020..... | 12,176 | 5,652 | 80,120 |
| April 2021 - June 2021 | 10,919 | 5,113 | 80,120 |
| July 2021 - September 2021..... | 11,421 | 5,320 | 80,120 |
| Missouri | | | |
| July 2020 - September 2020..... | 13,641 | 6,248 | 92,800 |
| April 2021 - June 2021 | 11,679 | 5,431 | 92,800 |
| July 2021 - September 2021..... | 12,162 | 5,604 | 92,800 |
| New Jersey and New York | | | |
| July 2020 - September 2020..... | 13,488 | 6,481 | 102,550 |
| April 2021 - June 2021 | 13,820 | 6,408 | 102,550 |
| July 2021 - September 2021..... | 14,295 | 6,596 | 102,550 |

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**All Wheat Ground, Flour Production, and Capacity – Regions and United States:
July 2021 - September 2021 with Comparisons (continued)**

| Region | Wheat ground for flour | Wheat flour production | Daily (24-hour) capacity |
|----------------------------------|---------------------------|---------------------------|-----------------------------|
| | (1,000 bushels) | (1,000 cwt) | (cwt) |
| North Carolina | | | |
| July 2020 - September 2020 | 8,216 | 3,695 | 61,496 |
| April 2021 - June 2021 | 7,917 | 3,596 | 61,496 |
| July 2021 - September 2021 | 8,280 | 3,770 | 61,496 |
| North Dakota | | | |
| July 2020 - September 2020 | 15,739 | 7,125 | 93,100 |
| April 2021 - June 2021 | 14,930 | 6,648 | 93,100 |
| July 2021 - September 2021 | 14,369 | 6,392 | 93,100 |
| Ohio | | | |
| July 2020 - September 2020 | 14,101 | 6,303 | 88,400 |
| April 2021 - June 2021 | 13,004 | 5,905 | 79,900 |
| July 2021 - September 2021 | 13,185 | 5,889 | 79,900 |
| Pennsylvania | | | |
| July 2020 - September 2020 | 11,759 | 5,360 | 78,500 |
| April 2021 - June 2021 | 11,393 | 5,209 | 78,500 |
| July 2021 - September 2021 | 11,575 | 5,294 | 78,500 |
| Texas | | | |
| July 2020 - September 2020 | 13,296 | 6,143 | 91,500 |
| April 2021 - June 2021 | 13,177 | 6,092 | 92,000 |
| July 2021 - September 2021 | 13,212 | 6,104 | 92,000 |
| Other States ¹ | | | |
| July 2020 - September 2020 | 11,160 | 5,229 | 78,407 |
| April 2021 - June 2021 | 11,528 | 5,428 | 78,407 |
| July 2021 - September 2021 | 11,717 | 5,485 | 78,407 |
| United States | | | |
| July 2020 - September 2020 | 234,190 | 108,583 | 1,607,410 |
| April 2021 - June 2021 | 223,289 | 103,320 | 1,585,762 |
| July 2021 - September 2021 | 230,807 | 106,161 | 1,585,762 |

¹ Alabama, Arkansas, Arizona, Hawaii, Massachusetts, Maine, and Louisiana combined to avoid disclosing individual operations.

Flour Milling Production, and Capacity – United States: July 2021 - September 2021 with Comparisons

| Item | July - September 2020 | April - June 2021 | July - September 2021 |
|--|-----------------------|-------------------|-----------------------|
| All wheat | | | |
| Wheat ground for flour..... 1,000 bushels | 234,190 | 223,289 | 230,807 |
| Flour production..... 1,000 cwt | 108,583 | 103,320 | 106,161 |
| Whole wheat flour production 1,000 cwt | 4,908 | 4,866 | 4,974 |
| Millfeed production..... tons | 1,678,897 | 1,627,509 | 1,683,426 |
| Daily 24-hour capacity..... cwt | 1,607,410 | 1,585,762 | 1,585,762 |
| Wheat, excluding durum | | | |
| Wheat ground for flour 1,000 bushels | 216,681 | 207,979 | 215,146 |
| Flour production..... 1,000 cwt | 100,279 | 96,073 | 98,856 |
| Whole wheat production 1,000 cwt | 4,774 | 4,719 | 4,736 |
| Millfeed production..... tons | 1,560,317 | 1,522,071 | 1,579,754 |
| Daily 24-hour capacity..... cwt | 1,475,680 | 1,454,032 | 1,454,032 |
| Wheat, durum | | | |
| Wheat ground for flour and semolina 1,000 bushels | 17,509 | 15,310 | 15,661 |
| Durum flour and semolina production 1,000 cwt | 8,304 | 7,247 | 7,305 |
| Whole wheat durum flour and semolina production..... 1,000 cwt | 134 | 147 | 238 |
| Millfeed production..... tons | 118,580 | 105,438 | 103,672 |
| Daily 24-hour capacity..... cwt | 131,730 | 131,730 | 131,730 |
| Rye | | | |
| Rye ground for flour..... 1,000 bushels | 452 | 444 | 431 |
| Flour production..... 1,000 cwt | 210 | 201 | 193 |
| Millfeed production tons | 848 | 890 | (D) |
| Daily 24-hour capacity..... cwt | 9,655 | 9,655 | 9,655 |

(D) Withheld to avoid disclosing data for individual operations.

Statistical Methodology

Survey Procedures: *Flour Milling Products* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Data are collected from all known mills that produce wheat or rye flour.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of wheat or rye flour production in 2014. The operation profile also documented the manner in which the firm will report. A firm headquarters can report for all milling locations or each location can report separately.

In the Flour Milling Products survey questionnaires, mills are asked for previous quarter data on wheat and rye ground for flour, and production of flour, whole wheat flour, and millfeed. Quarters are based on a calendar year with the following definitions: first quarter – January through March; second quarter – April through June; third quarter – July through September; fourth quarter – October through December. Mills are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National or Regional totals.

Revision Policy: Data are revised the following quarter based on late reports or corrected data. Final figures are published in the annual summary of the following year.

Reliability: Approximately 165 reports are received each month which represent about 99 percent of total capacity. Quarterly data can vary due to different firms reporting quarter to quarter. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@usda.gov

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|--|----------------|
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| Irwin Anolik – Crop Weather | (202) 720-7621 |
| Joshua Bates – Oats, Soybeans | (202) 690-3234 |
| David Colwell – Current Agricultural Industrial Reports..... | (202) 720-8800 |
| Michelle Harder – Barley, County Estimates, Hay | (202) 690-8533 |
| James Johanson – Rye, Wheat..... | (202) 720-8068 |
| Greg Lemmons – Corn, Flaxseed, Proso Millet | (202) 720-9526 |
| Becky Sommer – Cotton, Cotton Ginnings, Sorghum..... | (202) 720-5944 |
| Travis Thorson – Sunflower, Other Oilseeds | (202) 720-7369 |
| Lihan Wei – Peanuts, Rice..... | (202) 720-7688 |

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- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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